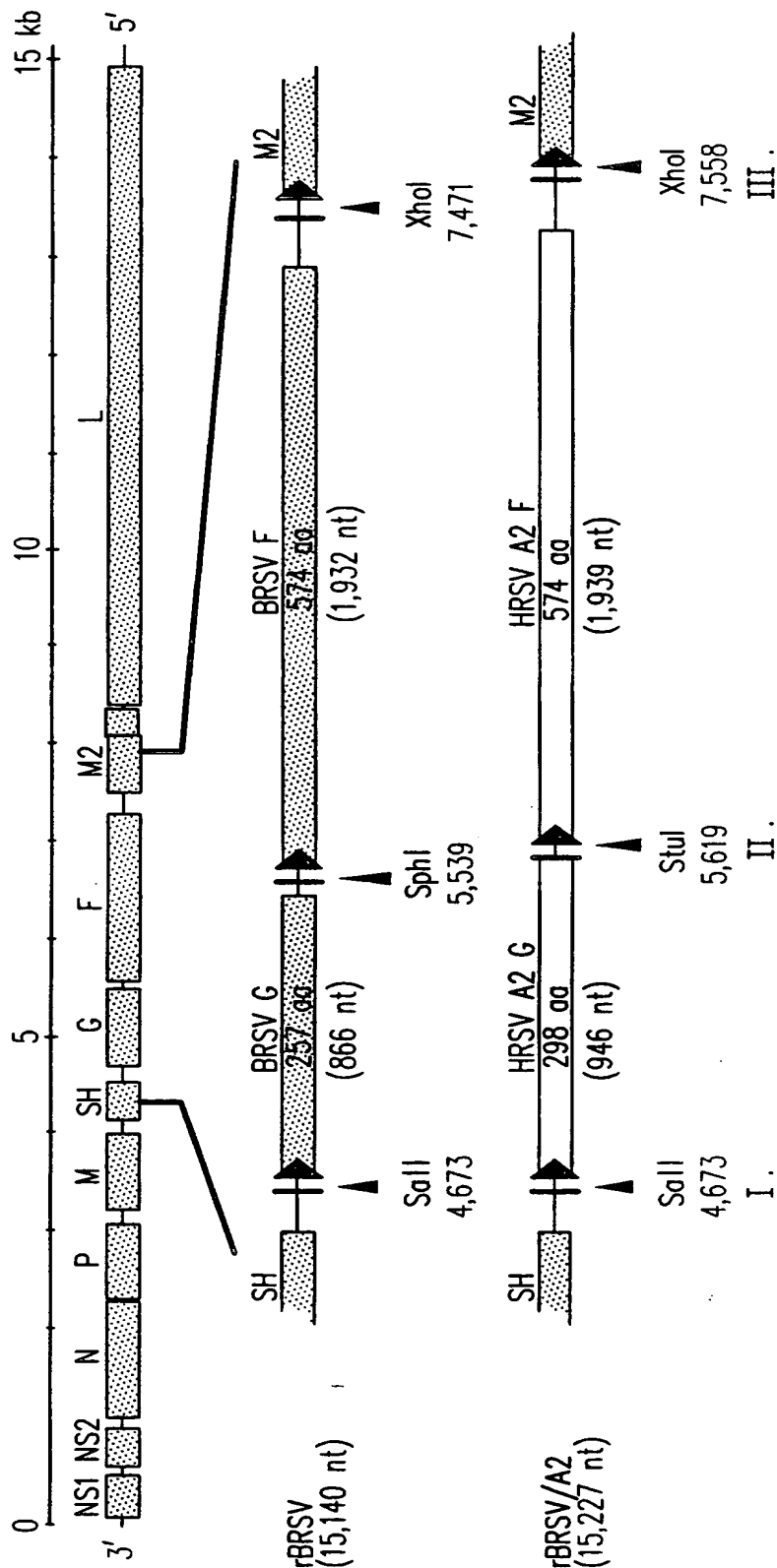


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FIG. 1A



# FIG. 1B

## I. SH/G intergenic region

5' 3'

A<sub>Tue</sub>51908 4640 AGTTATTTAAAAA TAACTTAAAAATGGTTTATGGTTACATACAGATG.....TTGGGGCAAAATACAAGTATGTCCAACCATACC 4719

r<sub>BRSV</sub> 4640 AGTTATTTAAAAA TAACTTAAAAATGGTTTATCTGGACATACAGATG.....TTGGGGCAAAATACAAGTATGTCCAACCATACC 4719

r<sub>BRSV</sub>/A2 4640 AGTTATTTAAAAA TAACTTAAAAATGGTTTATCTGGAC.....TTGGGGCAAAATGCAAAACATGTCCAACCAACAG 4709

H<sub>RSV</sub> A2 4616 AGTTATTTAAAAA TAGTCATAACAAATGAAGTACTAGGATATCAAGACTAACAAATAACATTGGGGCAAAATGCAAAACATGTCCAACCAACAG 4702

SH gene end  
signal  
G gene start  
signal  
G orf

## II. G/F intergenic region

5' 3'

A<sub>Tue</sub>51908 5517 AGTTATTTAAAAAAGATAT.....GTATAATTCACATAATTAACACTGGGGCAAAATTAAGGATGGCGACA 5578

r<sub>BRSV</sub> 5517 AGTTATTTAAAAAAGATAT.....GCAATGGTTACATAATTAACACTGGGGCAAAATTAAGGATGGCGACA 5578

r<sub>BRSV</sub>/A2 5590 AGTTACTTAAAAACATATTATCACAATAAGCCCTTGACCAACTTAAACAGAAATCAAAATAAAGCTCTGGGGCAAAATTAACAATGGAGTTG 5676

H<sub>RSV</sub> A2 5583 AGTTACTTAAAAACATATTATCACAATAAGCCATGACCAACTTAAACAGAAATCAAAATAAAGCTCTGGGGCAAAATTAACAATGGAGTTG 5669

G gene end  
signal  
F gene start  
signal  
F orf

## III. F/M2 intergenic region

5' 3'

A<sub>Tue</sub>51908 7436 CCATGTTGATAGTTATATAAAAAA TATTATATTAGTCTCAAAGAAATAAAATTTTAAACAACCAATCATTTCAAAAAGATGGGGCAAAAT 7522

r<sub>BRSV</sub> 7436 CCATGTTGATAGTTATATAAAAAA TATTATATTAGTCTGGAGCAATAAAATCGCAATTAACAACCAATCATTTCAAAAAGATGGGGCAAAAT 7522

r<sub>BRSV</sub>/A2 7535 CCTAGTTTATAGTTATATAAAAAA.....CTGGAGCAATAAAATCGCAATTAACAACCAATCATTTCAAAAAGATGGGGCAAAAT 7609

H<sub>RSV</sub> A2 7529 CCTAGTTTATAGTTATATAAAAAA.....CACAAATTGAATGCCAGATTAACTTACCATCTGTAAAAATGAAAAC.TGGGGCAAAAT 7605

F noncod.  
F gene end  
signal  
M2 gene start  
signal

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FIG. 2A

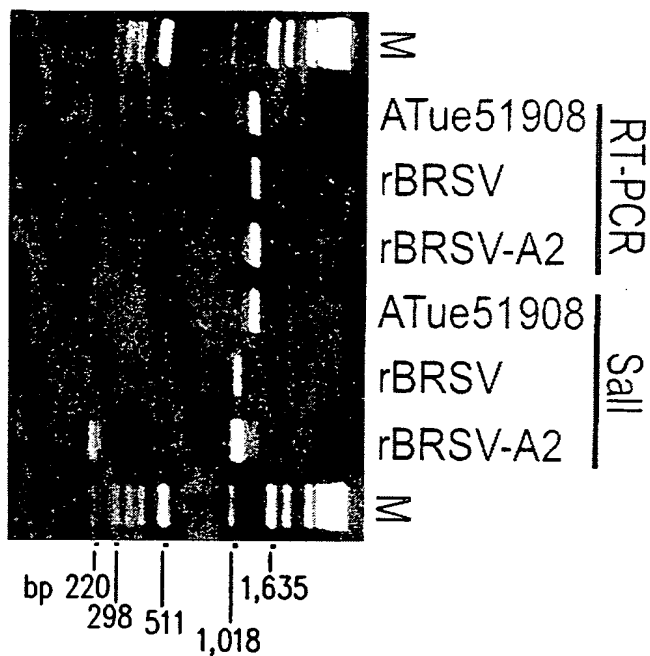
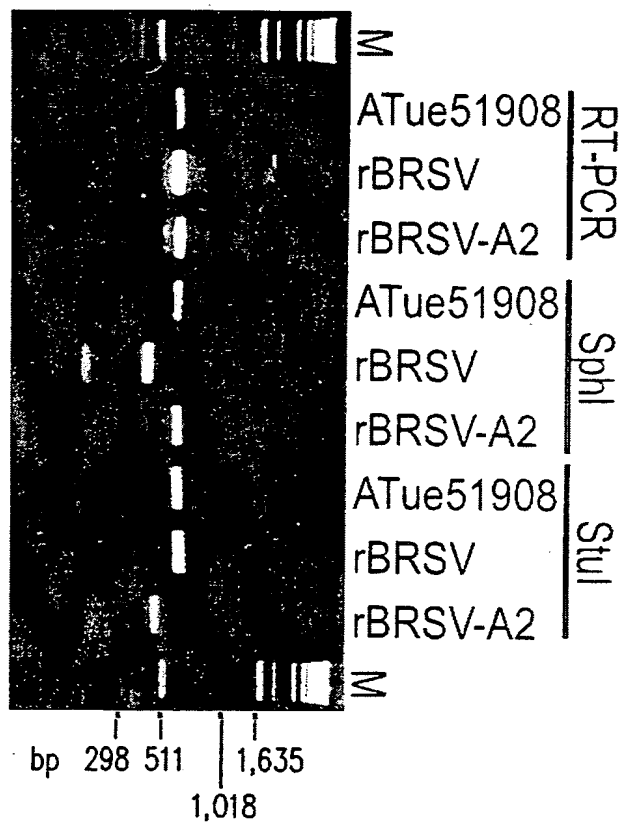
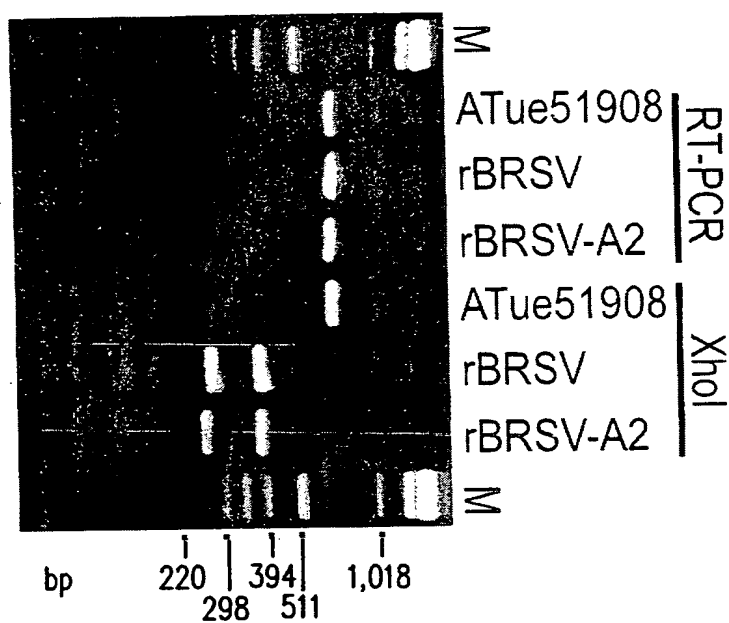


FIG. 2B



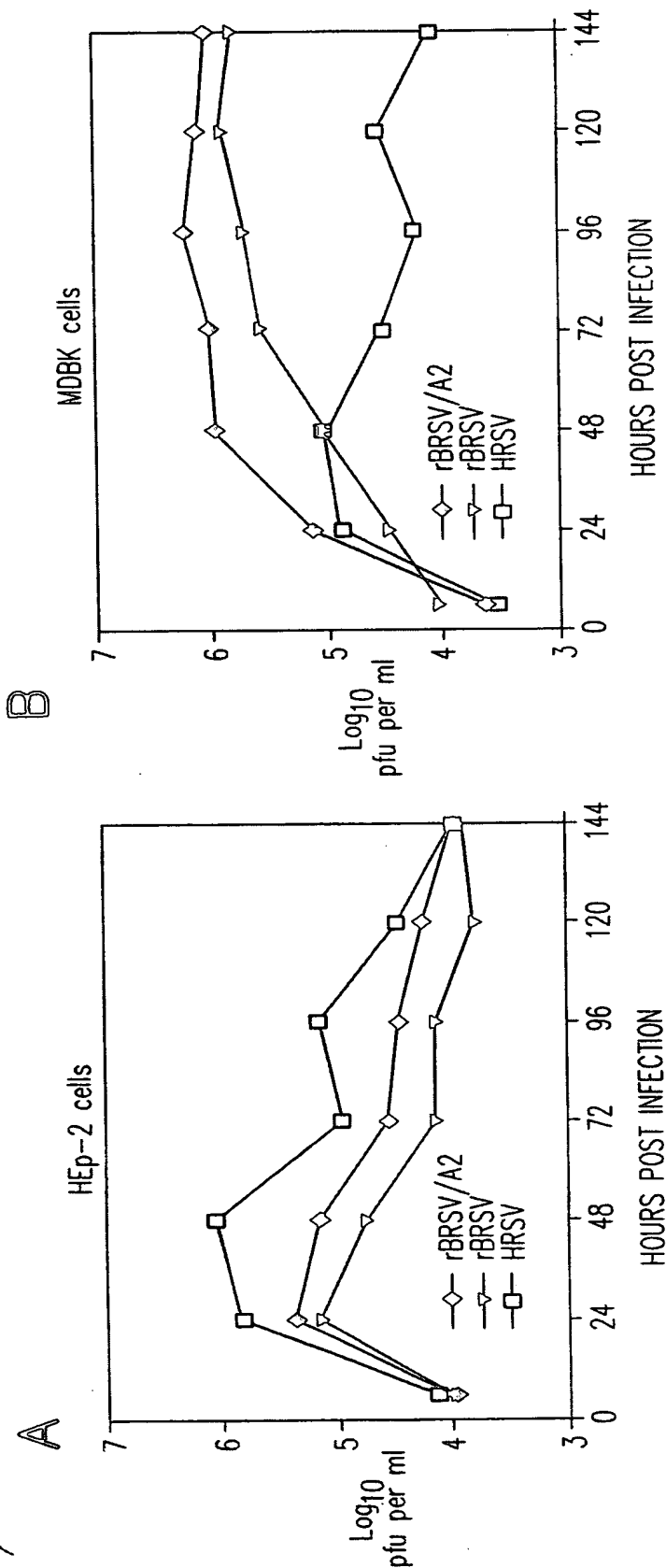
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FIG. 2C



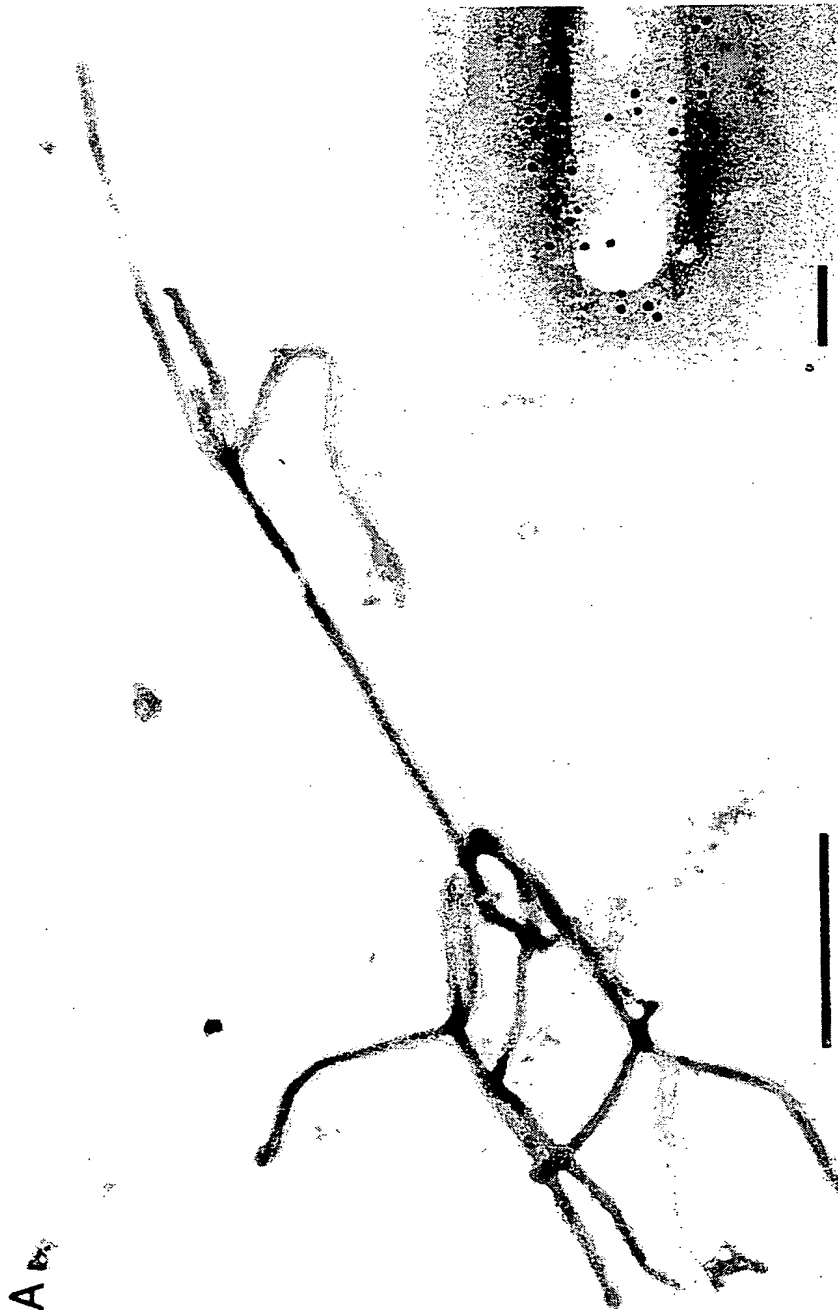
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FIG. 3



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FIG. 4A



A B

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FIG. 4B



B

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FIG. 5A

A

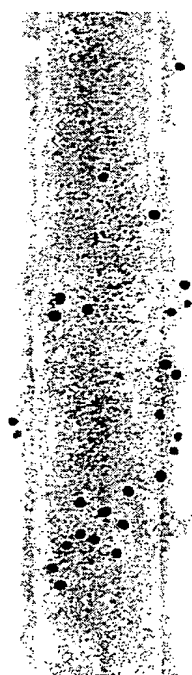


FIG. 5B

B



FIG. 5C

C



FIG. 5D

D





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FIG. 5F

F



FIG. 6B

B



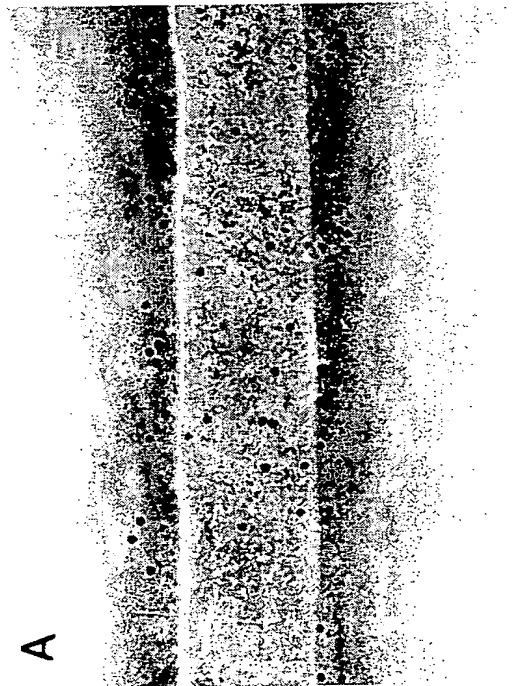
FIG. 5E

E



FIG. 6A

A



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FIG. 6D

D



FIG. 6F

F



FIG. 6C

C

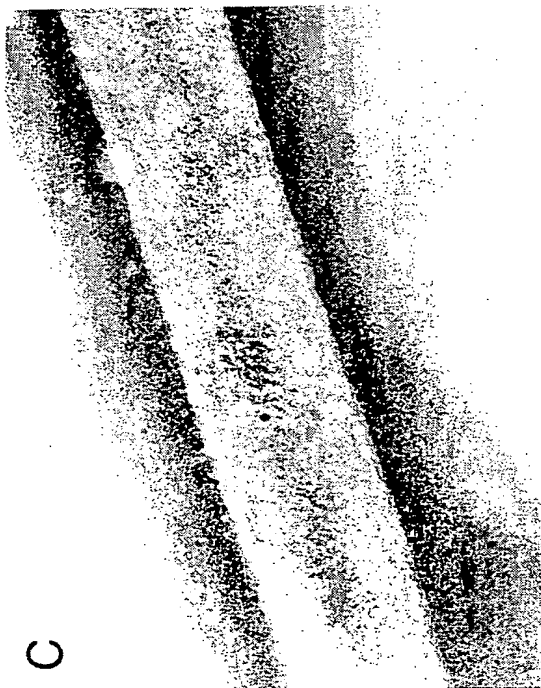


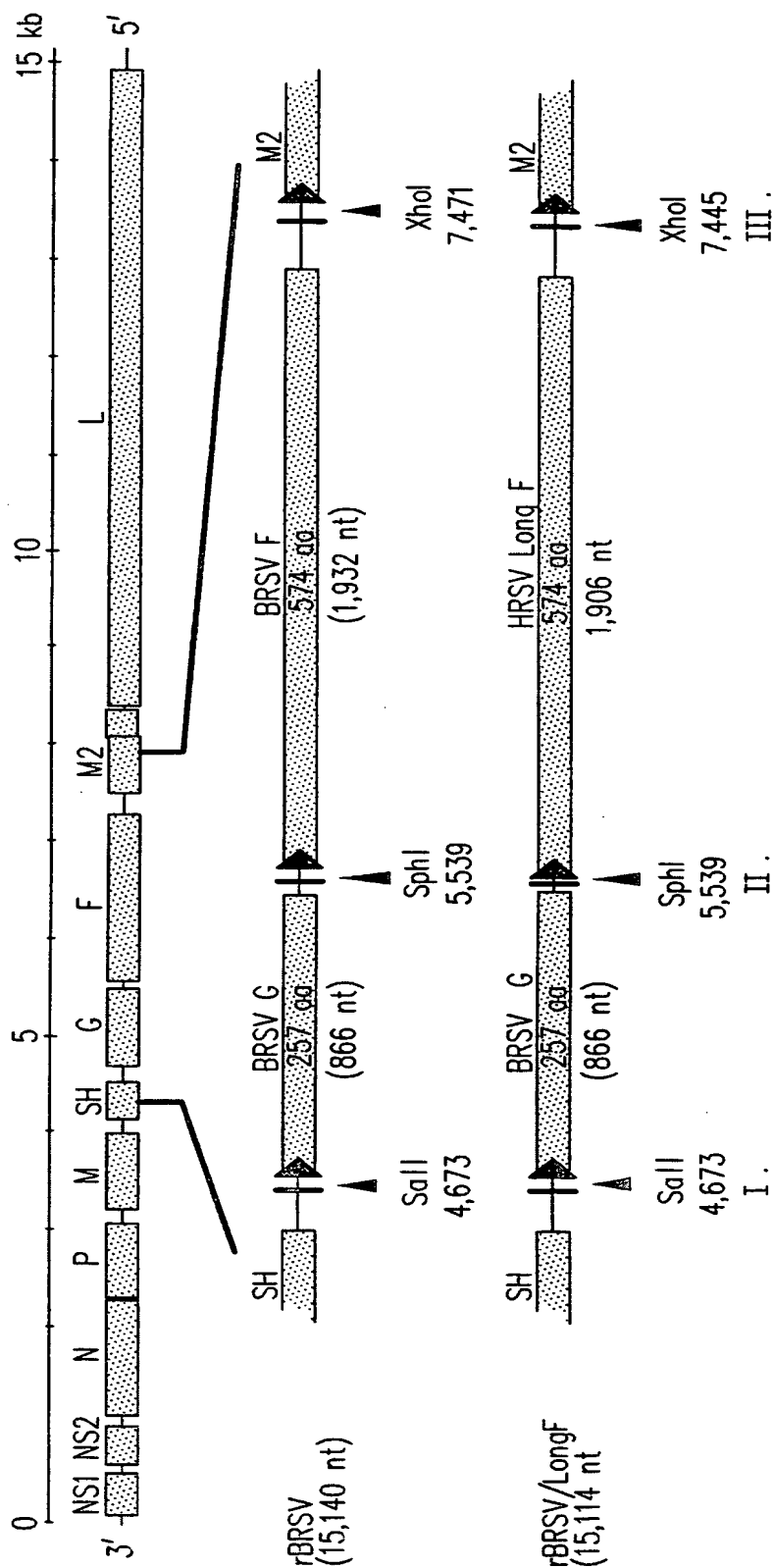
FIG. 6E

E



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FIG. 7A



# FIG. 7B

## I. SH/G intergenic region

5' 3'

ATue51908 4640 AGTTATTTAAAAATTTAACTTAAAAATGGTTTATGGTTACATACAGATGTTGGGGCAAAATACAAGTATGTCCAACCATACC 4719

rBRSV 4640 AGTTATTTAAAAATTTAACTTAAAAATGGTTTATGTCGAGATACAGATGTTGGGGCAAAATACAAGTATGTCCAACCATACC 4719

rBRSV /LongF 4640 AGTTATTTAAAAATTTAACTTAAAAATGGTTTATGTCGAGATACAGATGTTGGGGCAAAATACAAGTATGTCCAACCATACC 4719

SH gene end signal

G gene start signal

G orf

## II. G/F intergenic region

5' 3'

ATue51908 5517 AGTTATTTAAAAAGCATATGTATTAATTCACCTAATTAACCTGGGGCAAAATAGGGATGGCGACA 5578

rBRSV 5517 AGTTATTTAAAAAGCATATGCCATGGTTTCACCTAATTAACCTGGGGCAAAATAGGGATGGCGACA 5578

rBRSV /LongF 5517 AGTTATTTAAAAAGCATATGCCATGGTTTCACCTAATTAACCTGGGGCAAAATAGGGATGGCGACA 5578

G gene end signal

F gene start signal

F orf

## III. F/M2 intergenic region

5' 3'

ATue51908 7436 CCATGTTGATAGTTATATAAAAAATATTATATTAGTCTCAAGCAATAAAATTATTAAACAACCAATCATTCAAAAAGATGGGGCAAAAT 7522

rBRSV 7436 CCATGTTGATAGTTATATAAAAAATATTATATTAGTCTCGAGCAATAAAATCGAATAACAACCAATCATTCAAAAAGATGGGGCAAAAT 7522

rBRSV /LongF 7422 CCTAGTTTATAGTTATATAAAAAATAGTTATATAAAAAATCTCGAGCAATAAAATCGAATAACAACCAATCATTCAAAAAGATGGGGCAAAAT 7496

F noncod.

F gene end signal

Xba I

Gla I

M2 gene start signal

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FIG. 8

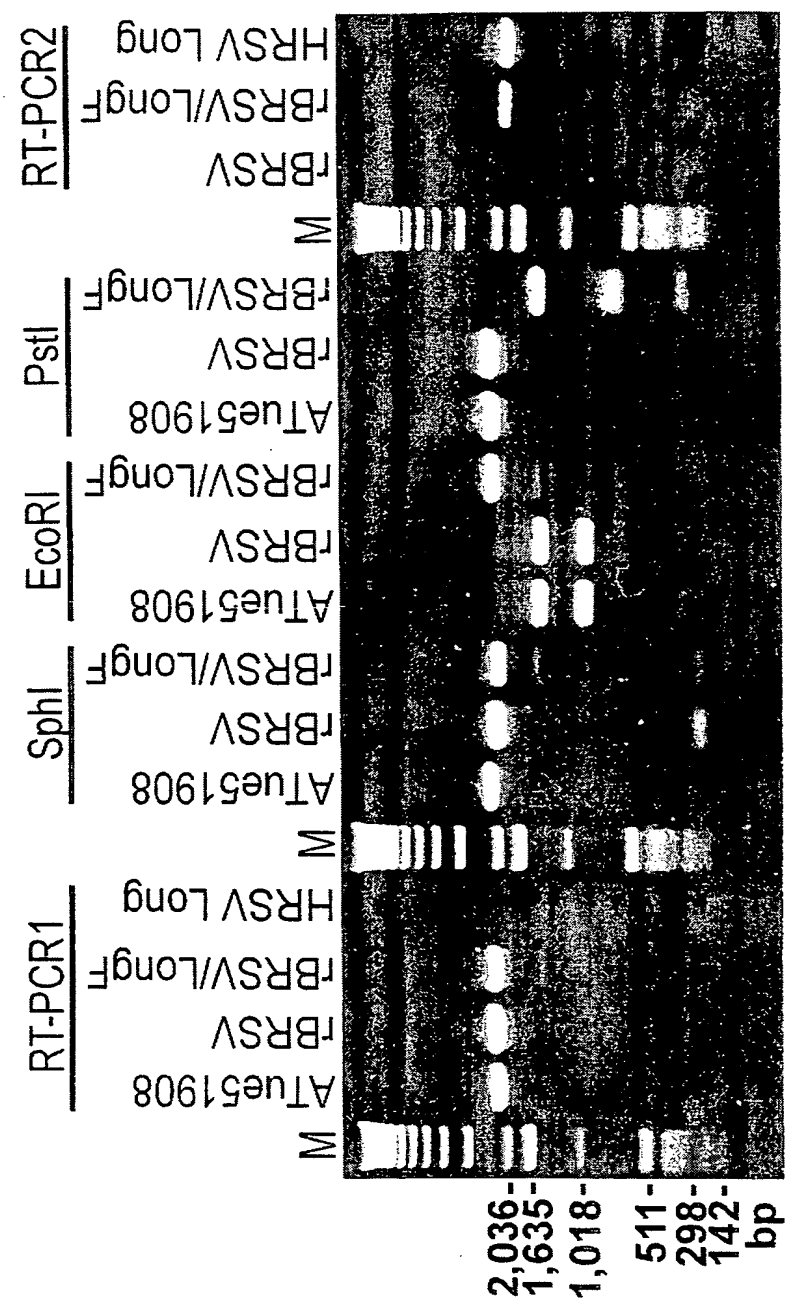
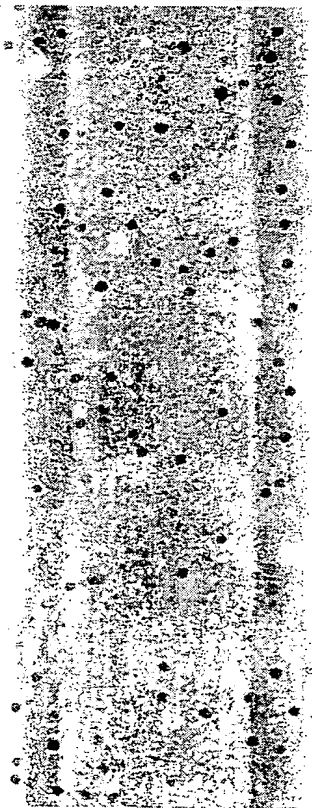
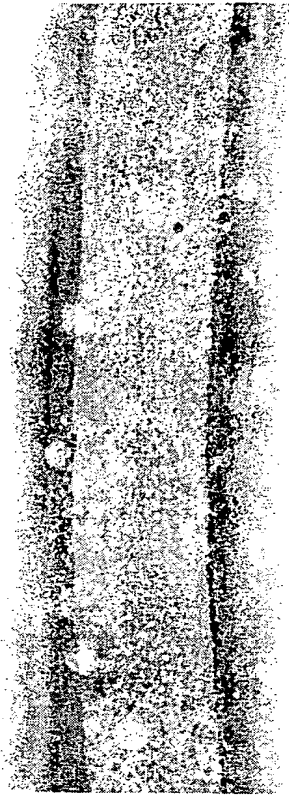


FIG. 9  
A



B



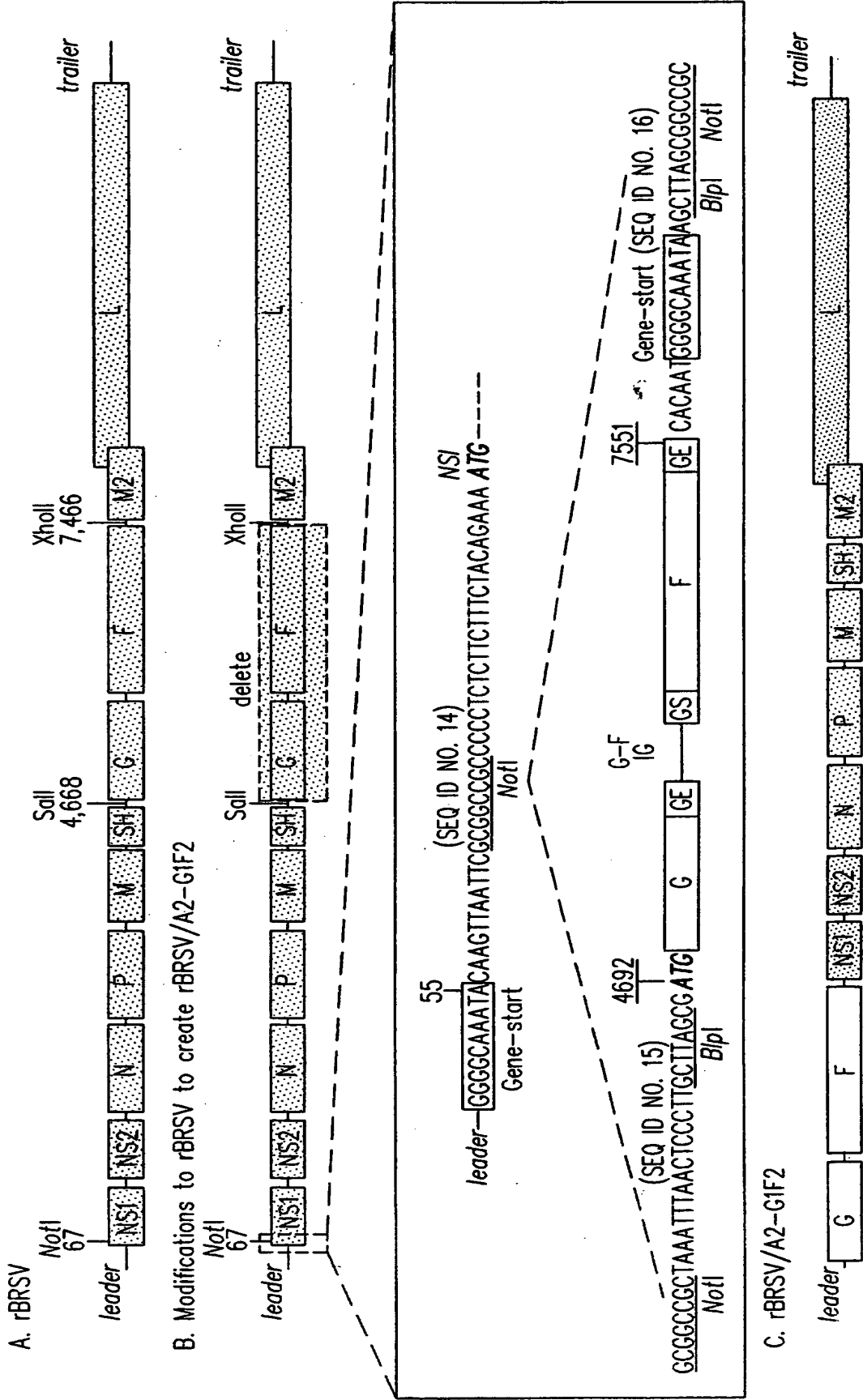
C



D



FIG. 10



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FIG. 11

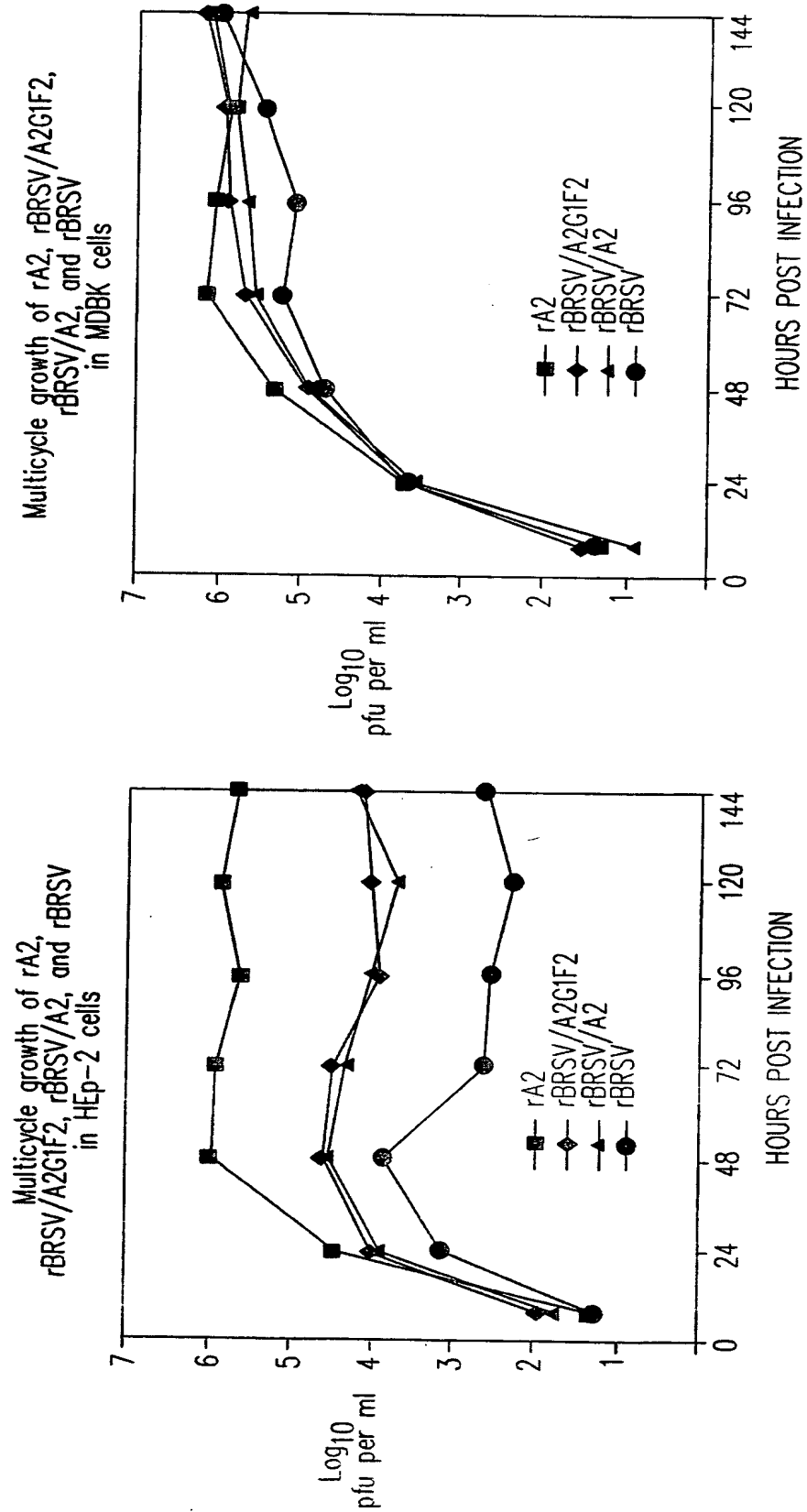




FIG. 12

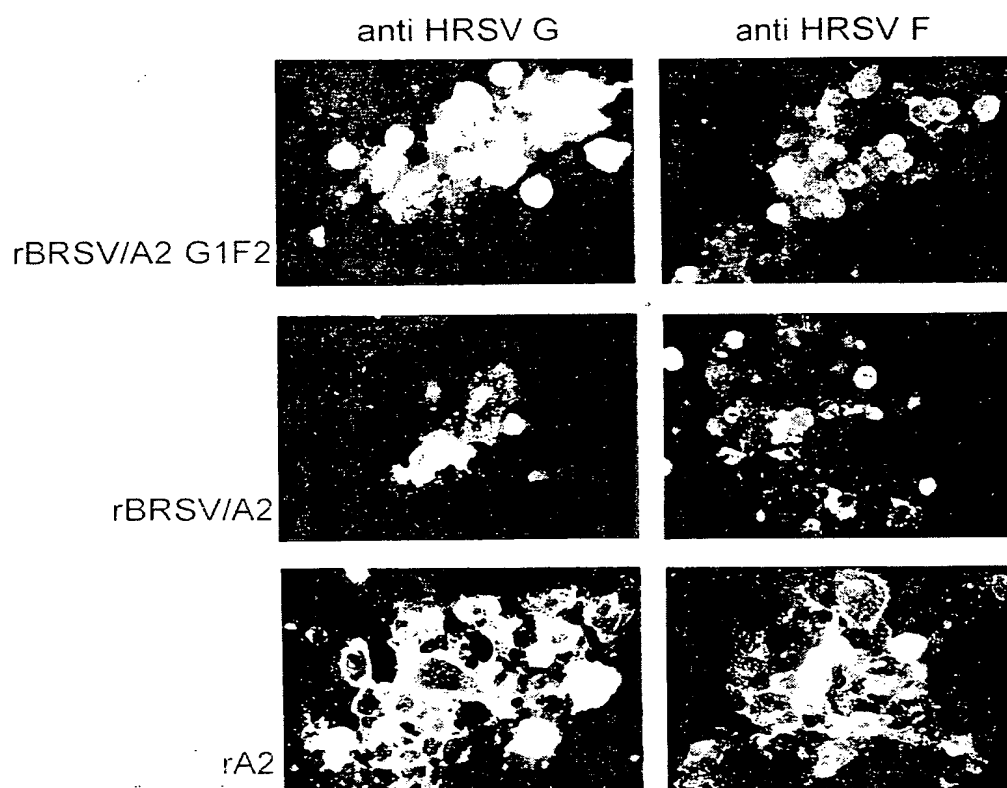


FIG. 13

